

Practitioner's Docket No.: 939_031

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the application of: Sugio MIYAZAWA

Filed: Concurrently Herewith

For: CERAMIC ENVELOPE FOR HIGH INTENSITY DISCHARGE LAMP

Box Patent Application
Assistant Commissioner for Patents
Washington DC 20231

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Gina M. Husak

PRELIMINARY AMENDMENT

Sir:

Prior to examination, Applicant wishes to amend the subject application as follows:

In the Title:

Please change title from "CEARMIC ENVELOPE FOR HIGH INTENSITY DISCHARGE LAMP" to --CERAMIC ENVELOPE FOR INTENSITY DISCHARGE LAMP--.

In the Claims:

Please rewrite claims 5 and 6 as follows:

5. (Amended) A ceramic envelope for high intensity discharge lamp as claimed in claim 1, wherein the surface roughness Ra of the interior surface of the barrel section is from 0.01 μm to 0.4 μm , and the additive concentration of the surface of said barrel section is 1/2 or less of that in the vicinity of the center of the thickness.

6. (Amended) A ceramic envelope for high intensity discharge lamp as claimed in claim 3, wherein an additive consists of at least one or more kinds of Sc_2O_3 , MgO , ZrO_2 , Y_2O_3 and lanthanoid based rare earth oxide.